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# 代数幾何学シンポジウム

記録

平成 26 年度科学研究費補助金 基盤研究 (S)  
(課題番号 22224001、 代表 金銅 誠之)

於 城崎国際アートセンター  
(2014 年 10 月 21 日～10 月 24 日)



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## Kinosaki symposium on algebraic geometry 2014

Date : Oct. 20, 2014 (Mon.) — Oct. 24, 2014 (Fri.)  
Venue : Kinosaki conference hall  
          : (Yushima 1062, Kinosaki, Toyo-oka, Hyogo 669-6101)  
Phone : +81-796-32-3888 (Tsutaya-Seirantei : +81-796-32-2511)

### Program

Oct. 21 (Tue.)

- 9:30 ~ 10:30 Kota Yoshioka (Kobe university)  
Examples of movable divisors on a generalized Kummer variety  
and an application
- 11:00 ~ 12:00 Baohua Fu (Chinese Academy of Sciences)  
On special birational transformations
- 14:00 ~ 15:00 Kotaro Kawatani (Nagoya university)  
Stability conditions and Fourier-Mukai transformations  
on  $K3$  surfaces with  $\rho = 1$
- 15:15 ~ 16:15 Malte Wandel (Kyoto university, RIMS)  
Automorphisms of O'Grady's six-dimensional example acting  
trivially on cohomology
- 16:30 ~ 17:30 Kenji Hashimoto (KIAS)  
Classification of Calabi-Yau threefolds of type K
- 17:45 ~ 18:15 Poster Session – Introduction of presentators

Oct. 22 (Wed)

- 9:30 ~ 10:30 Meng Chen (Fudan University)  
An inequality of Noether type for algebraic 3-folds
- 11:00 ~ 12:00 Taro Sano (Max Planck Institute)  
Deforming elephants of  $\mathbb{Q}$ -Fano 3-folds
- 14:30 ~ 15:30 Jiang Chen (University of Tokyo)  
On the anti-canonical geometry of  $\mathbb{Q}$ -Fano 3-folds

- 15:45 ~ 16:45 Hosung Kim (KIAS)  
Cartan-Fubini rigidity of certain double covering morphisms
- 17:00 ~ 18:00 Tadao Oda—Masayoshi Miyanishi—Tetsuji Shioda  
Speeches on the 40th anniversary of Kinosaki conference
- 19:00 ~ Reception

Oct. 23 (Thu)

- 9:30 ~ 10:30 Christian Liedtke (Technische Universität)  
Supersingular  $K3$  surfaces are unirational
- 11:00 ~ 12:00 Yuya Matsumoto (University of Tokyo)  
Good reduction criterion for  $K3$  surfaces
- 14:30 ~ 15:30 Hideaki Ikoma (University of Tokyo)  
On the concavity of the arithmetic volumes
- 15:45 ~ 16:45 Atsushi Ito (University of Tokyo)  
On Gauss maps in positive characteristics
- 17:00 ~ 18:00 Kazushi Ueda (Osaka university)  
Moduli of relations of quivers

Oct. 24 (Fri.)

- 9:00 ~ 10:00 Alexsei Bondal (Steklov Mathematical Institute – IPMU)  
TBA
- 10:15 ~ 11:15 Masahiko Yoshinaga (Hokkaido university)  
Minimal stratification for line arrangements and Milnor fibers

The nearest station is Kinosaki-Onsen of JR San-in main line. In order to have dinner together on the first day 20 (Mon), please arrive at the station by 6:00 pm. We are looking forward to seeing you in Kinosaki.

The Kinosaki symposium 2014 is partially supported by Grant-in-Aid for Scientific Research (S) 22224001. We are grateful to the support.

Organizers: K. Oguiso (Osaka), H. Ohashi (TUS), K. Mitsui (Kobe)